RFP 1F-22 **Attachment 5: Price Proposal**

Proposal for the Manufacturing, Furnishing, and Delivery of 40ft Low Floor Battery Electric Buses and associated Options in accordance with Technical Specification VE21-054.

Bidder Legal Name:	
Doing Business As Name, if different:	
Street:	
City, State, Zip:	
Telephone:	

The undersigned proposes to furnish equipment, materials, and services in accordance with the Contract Documents for RFP #1F-22 to which this Proposal Form is attached, at the following prices, subject to the terms and conditions of the Contract Documents.

The price offered for each item is the full price, including delivery charges and all taxes, direct and indirect, and includes all premium on bonds, labor, and materials costs, patent royalties, and all other overhead charges of every kind and nature.

Proposer shall show all prices in English works and numerals expressed in United States of America dollars. In the case of a discrepancy between the price offered in words and the price offered in numerals, the price offered in words shall govern. These prices shall be the total price, delivered in accordance with the RFP documents and Technical Specifications.

The undersigned further declares that they have carefully examined the Contract Documents including the Contract Provisions and Technical Specification VE21-054; Addenda; RFP #1F-22 including all response forms and attachments, and that they have familiarized themselves with all of the conditions affecting the Contract and understand that in making this bid they waive all right to plead any misunderstanding regarding the same.

The undersigned further understands and agrees that if this Proposal is accepted they are to furnish all of the materials specified, in the manner and at the time prescribed, and in accordance with the requirements set forth in the Contract.

Authorized Representative Name:	
Authorized Representative Signature:	
Title:	
Date:	

- Basis of Award is the sum of all items listed below.

- Regarding Optional Work scope (items 3a - 3n): - The Authority shall make a determination which, if any, of the Options will be executed. - The Contract reserves the right to exercise Options within five (5) years from Notice to Proceed.

The Authority reserves the right to procure Option 2B buses in Option 1 configuration. Option 2B buses procured in Option 1 configuration shall be subject to Price Proposal Option 1 pricing. - Options 3b, 3c, 3d, 3e, 3f, 3g, 3h, and 3i if executed, will be incorporated to the entire fleet of buses (base and any quantity of option vehicles executed). - Options 3e is NOT included in the basis of award and is the last row after the Total - Regarding Capital Spares Work scope (items 4a - 4ae): - Selection and quantity of Capital Spares is to be made at sole discretion of the Authority based upon available budget and needs.

- The Authority reserves the right to purchase spare parts either as a total package or on an individual item basis and/or to adjust the quantities purchased - The price paid by the Authority for a Capital Spare part will, in no event, exceed the published parts price - Payments for Capital Spares equipment shall be made upon delivery to the Authority. - If additional Capital Spares are identified, attach additional pages to indicate these. - Regarding Training Aid Work scope (items 5a - 5m):

- Training Aids are further described in VE21-054, Section 5.6.4, TS Section 5.6.2, and TS Attachment 11 - The Authority reserves the right to purchase Training Aids either as a total package or on an individual item basis and/or to adjust the quantities purchased - Payments for Training Aids shall be made upon delivery to the Authority. - Regarding Training Work scope (item 6): - Training shall consist of all phases and subjects, as stated in VE21-054, Section 5.6

- Regarding Special Tools and Test Equipment (item 7 and 8): - Special tool and test requirements per VE21-054 Attachment 5, and TS VE21-054 Section 5.6.3, 8.3, 8.5, 10.1, 75.2
- The Bidder shall include a list of all tools and test equipment in their proposal

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Instructions: Enter requested information in all yellow highlighted cells. Pricing is Per Unit based on the quantities in column B.

tem	Quantity	DescriptionDelivered Unit Price in WordsManufacturing, furnishing, and delivery of	Delivered Unit Price (Numbers)	Total
1	45	Forty-Foot Low Floor Battery Electric Buses (BEB) meeting range, performance, and delivery		\$ -
		requirements of the MBTA in accordance with Contract Documents including RFP 1F-22 and Technical Specification VF21-054 Manuals: Complete maintenance, operational, and parts		
2	1	manuals (as specified in Technical Specification VE21-054 Section		\$ -
3a	415	OPTION 1 - Contractor to supply up to an additional Four Hundred Fifteen (415) Forty-Foot Low Floor BEBs (in accordance with Contract Documents including RFP 1F-22 and Technical Specification VE21-054)		\$ -
3b	35	OPTION 2A - Thirty-five (35) BEBs configured for street side boarding (in accordance with Contract Documents including RFP 1F-22 and Technical Specification VE21-		\$ -
		O54) OPTION 2B - Contractor to supply up to an additional Sixty-five (65) Forty-Foot Low Floor BEBs with Streetside		
3c	65	Boarding. Option 2B will only be exercised if 2A has been exercised. (in accordance with Contract Documents including RFP 1F-22 and Technical Specification VE21-		\$ -
		054) OPTION 3 - Provision by the Contractor of an Energy Storage System (ESS) Extended Warranty on an Authority		
3d	460	defined quantity of buses (as specified in RFP 1F-22 Section 9.3 and Technical Specification VE21-054 Section OPTION 5 - Provision by the Contractor for Q'Straint		\$ -
3f	460	Quantum Wheelchair Restraint Systems on an Authority defined quantity of buses (as specified in RFP 1F-22 and Technical Specification VE21-054 Section TS81.5 and TS		\$ -
3g	460	Attachment 4 Section F) OPTION 6 - Provision by the Contractor for a License Plate Recognition System on an Authority defined quantity of buses (as specified in RFP 1F-22 and		\$ -
	100	Technical Specification VE21-054 Section TS81.6 and TS Attachment 8) OPTION 7 - Provision by the Contractor of a Vinyl		Ť
3h	460	Exterior Color Scheme in lieu of painted exterior on an Authority defined quantity of buses (as specified in RFP 1F-22 and Technical Specification		\$ -
	460	VE21-054 Section TS81.7 and TS Attachment 1) OPTION 8 - Provision by the Contractor of a Tire Pressure Monitoring System on an Authority defined quantity of		\$ -
	400	buses (as specified in RFP 1F-22 and Technical Specification VE21-054 Section TS81.8) OPTION 9 - Provision by the Contractor of Passenger		,
3j	460	Compartment Antimicrobial Surface Treatment on an Authority defined quantity of buses (as specified in RFP 1F-22 and Technical Specification		\$ -
		VE21-054 Section TS81.9) OPTION 10 - Provision by the Contractor for Mobileye Advanced Driver Assistance System on an Authority		
3k	460	defined quantity of buses (as specified in RFP 1F-22 and Technical Specification VE21-054 Section TS81.10 and TS Attachment 9)		\$ -
31	460	OPTION 11 - Provision by the Contractor for Dual-sided LCD Passenger Information Screen on an Authority defined quantity of buses (as specified in RFP 1F-22 and		\$ -
		Attachment 10) OPTION 12 - Provision by the Contractor for a Geofencing Custom and Authority defined assertion of hungarity of hungarity.		
3m	460	System on an Authority defined quantity of buses(as specified in RFP 1F-22 and Technical Specification VE21-054 Section TS81.12) OPTION 13 - Provision by the Contractor for a HVAC		\$ -
3n	460	System with Heat Pump on an Authority defined quantity of buses (as specified in RFP 1F-22 and Technical Specification VE21-054 Section TS81.13)		\$ -
4a	4	CAPITAL SPARE: Primary Propulsion Unit Primary Propulsion Unit assembly as removable from the bus including cradle and mounts. Shall also include		\$ -
ти	7	all connecting low and high voltage harnesses and communications cables. PPU shall be shipped in a "ready to install" complete package CAPITAL SPARE: Low Voltage Electrical		Ť
4b	4	Includes low voltage Battery Management System including equalizers, DC to DC converters, cables, and sensors; low voltage battery tray including holdowns		\$ -
		and cables, master disconnect switch, battery disconnect switch CAPITAL SPARE: High Voltage Electrical		
4c	4	Includes complete high voltage Battery Management System, spare IGBT, sensors; HV cables (bundled complete bus kit), ESS diconnect switches, ESS		\$ -
		container(s), bus side receptacles CAPITAL SPARE: Chassis Mechanical (Bus Set) Includes power steering motor and pump, air compressor aassembly including motor and compressor,		
4d	4	heater water pump, power steering box, heater core, evaporator core, condenser core, door control valves, height control valves with kneeler, windshield wiper		\$ -
		right side, left side, diesel fuel filler, front wheel hubs, rear wheel hubs, front brake chamber, rear brake chamber. air dryer assembly, and defroster assembly.		
		Includes heater blower motors, condenser blower motors, evaporator blower		
4e	4	motors, defroster blower motors, floor heater assemblies, HVAC control box, front door motors, rear door motors, complete public address system, auxiliary operator fan, artificial sound generator.		-
4f	4	CAPITAL SPARE: Wheelchair/Mobility Aid Ramp Assembly CAPITAL SPARE: Passenger Interior Appointments (Bus		\$ -
4g	3	Set) Includes passenger folding seat assembly, passenger seating (all configurations), and roof hatches.		\$ -
		CAPITAL SPARE: Exterior Appointments (Bus Set) Includes front bumper assembly, propulsion systems ('engine') closure door assembly, front door assembly,		
4h	4	rear door assembly, windshield street and curbside street and curbside passenger window assembly, driver's window assemblies, destination sign glass, and		\$ -
4i	3	CAPITAL SPARE: Driver Interior Appointments (Bus Set) Includes operator's seat assembly, steering column assembly and steering wheel, dashboard panels, side		\$ -
4j	5	control panels, drivers area lighting, and pedals. CAPITAL SPARE: Body Paneling (Bus Set) Street and Curbside complete set		\$.
4k	1	CAPITAL SPARE: Interior Lighting (Bus Set) Complete System CAPITAL SPARE: Dual Mode Auxiliar Heater, including		\$ -
41	4	external pump, modules, tubes, hoses, connector valves		\$ -
4m 4n	4	CAPITAL SPARE: Fire Detection (Bus Set) Harnesses, bottle, sensors, modules, and nozzles CAPITAL SPARE: ABS (Bus Set) Modules, sensors, bernesses, and values		\$ -
40	5	Modules, sensors, harnesses, and valves CAPITAL SPARE: ESS Thermal Management System including all coolant tanks/reservoirs, heat exchangers, fan assemblies and controllers, harness and cables,		\$ -
		temperature sensors CAPITAL SPARE: Exterior Lighting Kit (Bus Set)		
4p 4q	4	Including headlamp assemblies, tail light assemblies, clearance lights, and all other exterior LED lighting CAPITAL SPARE: Rear Axle Carrier Assembly		\$ -
4r 4s	4	CAPITAL SPARE: Rear Axle Assembly CAPITAL SPARE: Destination Signs (Bus Set) Included P/C card, control board, wiring, and displays		\$ -
4t 4u	4	CAPITAL SPARE: Multi-Plex (Bus Set) Modules/PLC Processors, Harnesses CAPITAL SPARE: Front Axle Assembly		\$ - \$ -
4v	1	CAPITAL SPARE: Security Camera System (Bus Set) Re: TS Attachment 3 Section 2.27 (A) NOTE: 1 set equals the items and quantities of items identified in Section		\$
4w	2	2.27 (A) CAPITAL SPARE: Bicycle Rack Re: TS 78 CAPITAL SPARE: Transpare Systems (Pue Set) commission		\$.
4x 4y	2	CAPITAL SPARE: Trapeze System (Bus Set) complete system CAPITAL SPARE: Samsara Equipment (Bus Set) CAPITAL SPARE: Energy Storage System (Bus Set)		\$ -
4z	20	CAPITAL SPARE: Energy Storage System (Bus Set) Note: This item may be purchased at the Authority's discretion at any time during the five (5) year period following Notice to Proceed at no escalation in price		\$
4aa 4ab	3 6	CAPITAL SPARE: Geofencing System (Bus Set) CAPITAL SPARE: Roof shrouding and brackets		\$ -
4ac	4	CAPITAL SPARE: Glass kit, full bus - windshield street and curbside street and curbside passenger window assembly, driver's window assemblies, front passenger door assembly.		\$ -
4ad	5	door assembly, rear passenger door assembly CAPITAL SPARE: Spare Farebox Platform Retrofit Kit - spare (not to be confused with the required amount in		4
4ad 4ae	2	TS 22.3. Spare kits shall meet the requirements of Technical Specification TS 22.3 CAPITAL SPARE: Auxiliary Heater Fuel System: including		\$ -
		fuel tank and all lines and hoses TRAINING AID: Propuilsion System Module - Drive Unit/Traction Motor - ESS		
5a 5b	1	- ESS - ESS Thermal Management System - High Voltage BMS TRAINING AID: Electrical System		\$.
5c	1	TRAINING AID: Electrical System TRAINING AID: Compressed Air System - Anti-Lock Brake System TRAINING AID: Front & Rear Axle Assemblies		\$.
5d 5e 5f	1 1 1	- Front & Rear Brake Assemblies TRAINING AID: HVAC System TRAINING AID: Door System		\$.
5g 5h 5i	1 1 1	TRAINING AID: Destination Signage System TRAINING AID: Fire Suppression System TRAINING AID: Wheelchair/Mobility Aid Ramp		\$ \$
5j	1 1	TRAINING AID: Wheelthair/Mobility Aid Rainp TRAINING AID: PA System TRAINING AID: Auxiliary Heater TRAINING AID: Smart Bus/ITS Systems		\$
5k		- Computers and Software - Trapeze - Geofencing		\$.
	1	- Samsara		
5k 5l		TRAINING AID: Battery Electric Bus Driving Simulation		Ś
5k	1	System per the requirements of TS Attachment 11		\$ -
5k 5l				\$ -
5k 5l 5m	1 10	COMPLETE TRAINING PROGRAM - Training program as descirbed in VE21-054, Section 5.6 TECHNICAL SPECIFICATION SPECIAL TOOLS - Special Tool sets as described in VE21-054 Attachment 5, Section A TECHNICAL SPECIFICATION TEST EQUIPMENT		\$ \$
5k 5l 5m	1	COMPLETE TRAINING PROGRAM - Training program as descirbed in VE21-054, Section 5.6 TECHNICAL SPECIFICATION SPECIAL TOOLS - Special Tool sets as described in VE21-054 Attachment 5, Section A		\$
5k 5l 5m 6	1 10	COMPLETE TRAINING PROGRAM - Training program as descirbed in VE21-054, Section 5.6 TECHNICAL SPECIFICATION SPECIAL TOOLS - Special Tool sets as described in VE21-054 Attachment 5, Section A TECHNICAL SPECIFICATION TEST EQUIPMENT - Test Equipment sets as described in VE21-054 Attachment 5, Section B		\$ \$